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(54) POLYESTER COMPOSITION

(57)Abstract:

PURPOSE: To obtain a polyester composition suitable for magnetic tapes having excellent slipperiness, surface smoothness, wear resistance and improved electromagnetic conversion characteristics, by blending polyester with a specific amount of a glycol monodisperse material of specific silica spherical fine particles.

CONSTITUTION: Polyester is blended with 0.005W2wt.% glycol monodisperse material of amorphous silica spherical fine particles which have $0.1W5 \mu m$ average particle diameter, 1W1.5, preferably 1W1.3 standard deviation value of particle diameter, $\geq 1mmol$. silanol group amount in the fine particles based on 1g fine particle, subjected to surface treatment with a coupling agent and have $\geq 0.003mmol$. glycol on the surface of the fine particles based on 1g fine particles.

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